

ABSTRACT OF THE INVENTION

A method and system for mitigating instrumentation differences in laboratory instruments. The system of the present invention includes one or more groups of laboratory instruments in communication with a normalization server via a network. Each group of laboratory instruments communicates instrument control specimen and testing specimen output data to the normalization server via a variety of communication methods. Once the normalization server receives the control specimen data it generates a normalization curve for the instrument according to a control group. Accordingly, the normalization server then maps the testing specimen data according to the normalization curve. The normalization server then outputs the normalized outputs to the groups. In a first embodiment, an external quality control output from the group is sent to the normalization server for the purpose of mapping the outputs to a larger peer output control group. In another embodiment, a patient sample output from a group of laboratory instruments is normalized with a previous patient sample test to allow a progression analysis of the patient. The present invention allows for the mitigation of instrumentation differences in the outputs from one or more groups of laboratory equipment to allow for better data manipulation.

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